

IRON AGE

FARM, GARDEN AND ORCHARD IMPLEMENTS

AMERICAN FACTORY
Established 1838

BATEMAN MFG CO.

GREENLOCH, NEW JERSEY, U. S. A.

CANADIAN FACTORY
Established 1868

**THE BATEMAN-WILKINSON CO.,
LIMITED**
TORONTO, ONTARIO

LIBERAL STOCKS OF SUITABLE TOOLS FOR EACH VICINITY ARE MAINTAINED BY THE BEST CLASS OF IMPLEMENT DEALERS IN THE COUNTRY
TOOLS ARE CARRIED IN STOCK AT CENTERS OF DISTRIBUTION

Economical Distribution of
Valuable Fertilizers with

IRON AGE

Fertilizer Distributors Nos. 170-172 D

One Row—One Horse

Two Row—Two Horse

Handle any kind of commercial fertilizers in any amount, regulated to suit your needs

Force feed—large capacity



TWO ROWS
800 POUNDS EACH
HOPPER



IF NOT HANDLED BY YOUR LOCAL DEALER, WRITE US FOR NEAREST ADDRESS WHERE TOOLS CAN BE SEEN AND EXPLAINED

Economical Distribution of Fertilizer

IF you want immediate results from the distribution of your fertilizer, you will surely apply it in rows. It also follows that you want it distributed evenly and regularly in the right amount per acre for each crop.

Again if you have considerable ground to cover, you will agree that two row machines are more economical than one row.

Common practice in many sections shows the farmers making up their rows ahead with fertilizer thoroughly mixed with the soil, then when potato planting time comes, the planter is lightened, the work is done quicker and there is no possible chance of any fertilizer touching the seed. In some sections planting time comes with a rush and it must be done quickly.

Some use a fertilizer not immediately available and put it in the row from one to six weeks (the latter is a Southern method) ahead of planting. Then, some use an extra fertilizer that is quickly available at planting time and it is applied in same operation. We will be glad to tell you of some specific fertilizers used in such cases, if you care to write us. Or, you can address your fertilizer people direct.

We describe in this folder, both one and two row machines, in many combinations to suit your particular need. In most cases, the cuts show plainly what you will have.

The two row machines have many other uses in truck farming, such as making up rows, for cabbage, etc. and we build a wide frame machine that can be used astride peas, beans, potatoes, etc. or for wide rows between which you are allowing for later plantings.

The distributing part is the same in principle as that used so successfully on our Potato Planter and which has meant so much in the sale of that machine. We believe that where a man has some other planter than "Iron Age," or at least, a different method of distributing the fertilizer, it will pay him to use our two row machine, and he may even pay the entire cost of the machine on ten acres, on account of the largely increased crop.

You will get more benefit from your fertilizer and save valuable time and expense.

We hope you will give this folder a careful reading for it may easily mean dollars saved and earned in your year's business,

BATEMAN M'F'G CO.,
GRENLOCH, N. J.



Making up two rows at a time with the 1914 machine—opening furrows, spreading fertilizer, mixing it with the soil and covering, also marking for the next trip. A big job well done. The new machine has many improvements

One Row Fertilizer Distributors

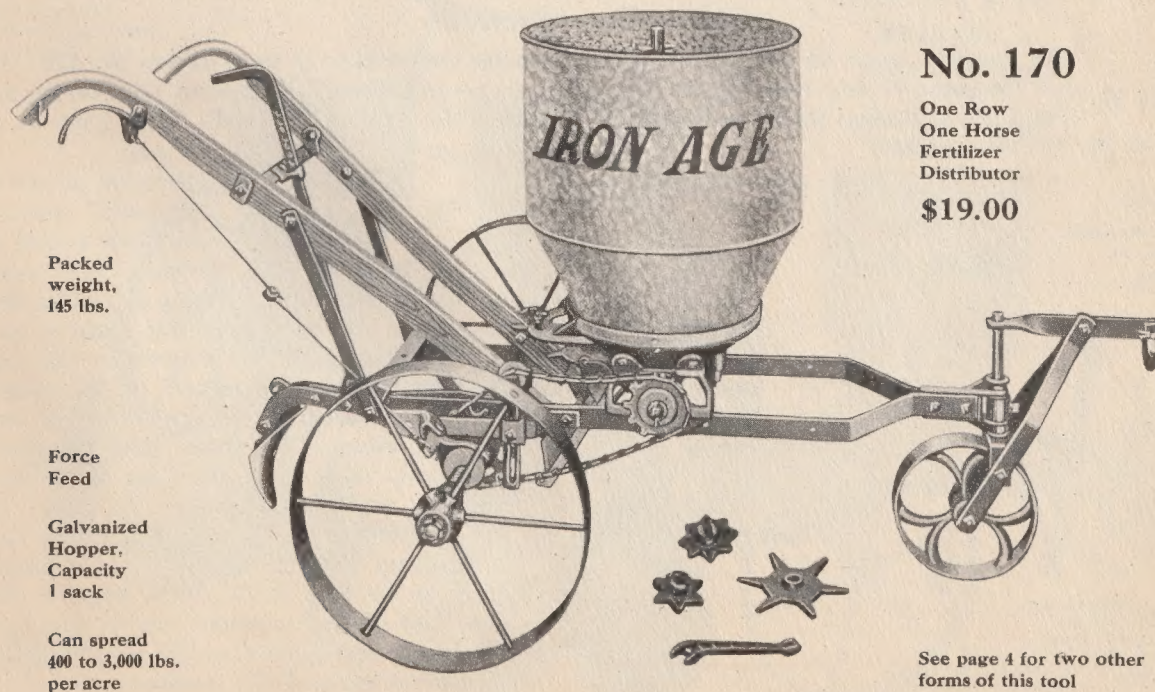
THESE are assembled in several combinations to suit conditions on each farm. Local practice usually governs a man's methods to a large extent but a careful study of his own conditions will sometimes show how, by new combinations of old ideas in machinery, labor can be saved and better results obtained. One horse tools are practical when one horse can do all the necessary work or there is an odd horse to use or where only one horse can work at a time; otherwise two horse tools are more economical.

No. 170 This is the simplest form of this one row machine. It is for use in ground that has been prepared and the furrow opened. It has practically the same force feed as the fertilizer distributor on the "Iron Age" Potato Planter where it has been in use successfully for a great many years. This year we are using a round hopper on No. 170—this will give a quicker and better natural feed. The

fertilizer falls on a revolving disk—a feed wheel is forced around to the gate opening and carries the fertilizer into the spout and down the spreader. The hopper is galvanized sheet steel and its capacity is a full sack or 167 pounds.

The gate regulates the amount of fertilizer to be sown and saves waste when turning at ends of rows. With each distributor we send out feed-wheel No. P-145, which will spread 500 to 3,000 lbs. per acre, and will take care of coarse fertilizer as well as the fine, and P-145A, which can be used when you want to spread lesser amounts. Six, eight and eleven point chain wheels are furnished to be used for varying amounts of fertilizer to the acre.

No. 170 sows fertilizer in a regular, uniform, 6- or 8-in. stream across the open furrow. Handles all kinds, damp or dry. A stirring point (our No. 68) in the rear, mixes the fertilizer and the soil.



No. 170

One Row
One Horse
Fertilizer
Distributor

\$19.00

Packed
weight,
145 lbs.

Force
Feed

Galvanized
Hopper,
Capacity
1 sack

Can spread
400 to 3,000 lbs.
per acre

See page 4 for two other
forms of this tool

THESE PRICES ARE NOW VOID.

One Row Fertilizer Distributor (Continued)

The lever that carries the tooth has pin adjustment at the handle cross bar. Can be locked up, out of the way, when on the road. Also, tool can be thrown out of gear while machine is in motion and locked out with a small clip on the handle, another advantage when on the road. Other construction features: A swivel wheel is used in front for short and easy turning at ends of rows. The machine can be raised or lowered on front wheel standard to suit depth of furrow. The main wheels are steel with chilled hub and a clutch in each wheel. We give the matter of construction the same careful attention as with all other "Iron Age" tools, and customers will find it durable, convenient, accurate and uniform in its work.



No. 170 P

Packed weight, 162 lbs.

Fig. 513

Plow Attachment
for
No. 170

\$2.75

When included
with the
machine order
No. 170P

\$21.75

Other Combinations

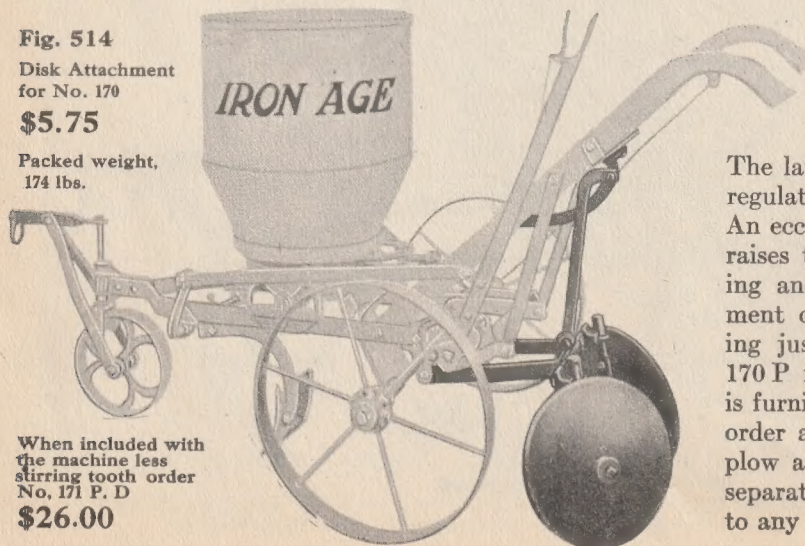
No. 170 P This machine opens its own furrow and distributes the fertilizer in same way as No. 170. Also uses the same stirring tooth at the rear. It is shown in the engraving as an attachment only, (Fig. 513) indicating the parts necessary to change No. 170 to No. 170 P. The plow is adjustable by lever for height.

Fig. 514

Disk Attachment
for No. 170

\$5.75

Packed weight,
174 lbs.



When included with
the machine less
stirring tooth order
No. 171 P. D

\$26.00

No. 171 P. D This form of the tool not only opens its own furrow and distributes the fertilizer but covers thoroughly by means of 16 inch disks.

The latter can be adjusted for angle so as to regulate amount of soil thrown to the ridge. An eccentric lever, attached to the handles raises the disks from the ground when turning and when on the road. The disk attachment only is shown in the engraving, indicating just the parts necessary to make No. 170 P into No. 171 P. D. No stirring tooth is furnished with this outfit. If it is wanted, order as No. 170 P. D., Price \$27.50. Both plow and disk attachments can be purchased separately and applied to 1915 No. 170 but not to any old styles of this machine.

Two Row Combined Furrower, Fertilizer Distributor and Ridger

WHEN your acreage warrants it, this two row machine will pay for itself in a short time and it not only does the work quicker but gives you an inexpensive way of bettering conditions for the growth of the crop. Not only are two rows quicker than one but you save in your turnings. Then, you can save time in planting and make money by getting better results.

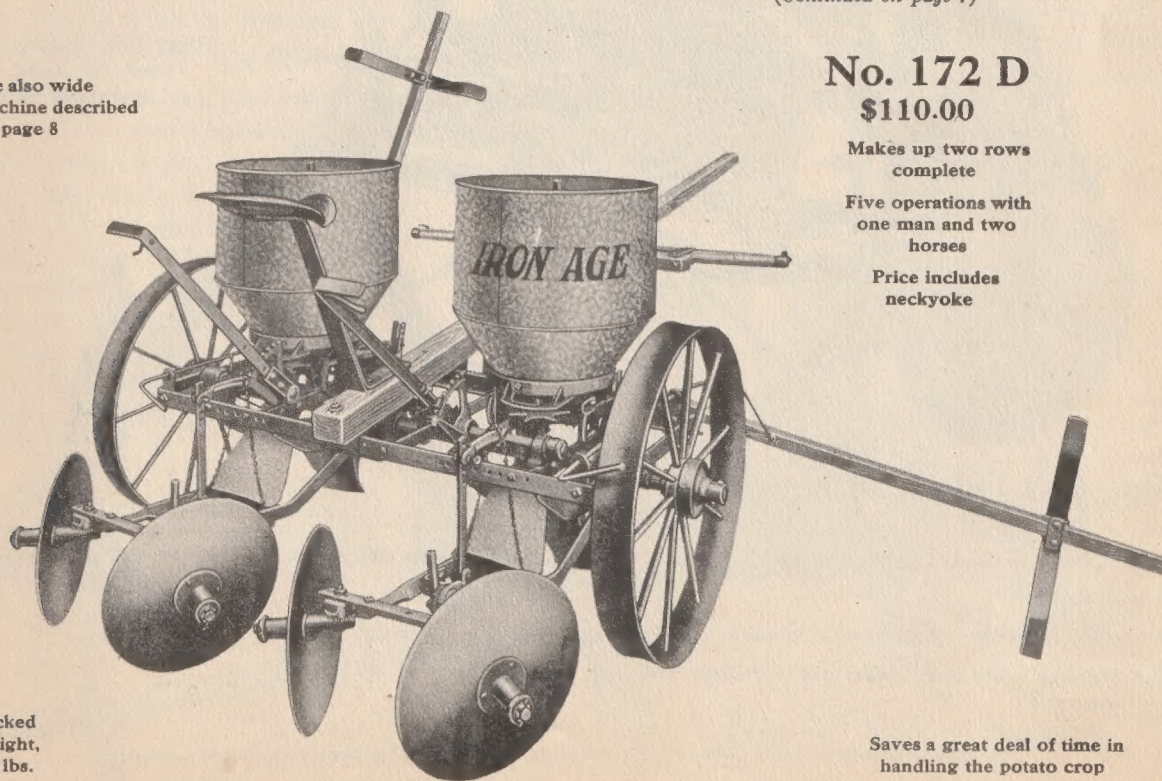
How Used. No. 172 D will *open furrows* for two rows, 28, 30, 33 or 36 inches apart, *distribute fertilizer* evenly over the bottom and sides of furrows, in 8 to 10 inch stream, *mix fertilizer* and soil with a wide tooth for each row, *cover or ridge* with disks, lightly or as high as desired, this operation also helping to mix the fertilizer and soil and, finally, it *marks for the next rows*.

The Advantages are many. One man, riding, and two horses make up two rows at a time, complete, and mark for the next rows, accurately spaced and ready for planting potatoes and other row crops. Gives a more thoroughly mixed fertilizer seed bed than where fertilizer is applied by planters without previous preparation. Permits planting without the bother of fertilizing at the same time. Saves time in getting the crop in where the soil and weather conditions are just right.

Large Hoppers. Each holds 200 pounds of fertilizer and has the same force feed as on new No. 170 and on "Iron Age" Potato Planter. The Hoppers are round and made of galvanized sheet

(Continued on page 7)

See also wide
machine described
on page 8



No. 172 D \$110.00

Makes up two rows
complete

Five operations with
one man and two
horses

Price includes
neckyoke

Packed
weight,
675 lbs.

Saves a great deal of time in
handling the potato crop

BATEMAN MFG CO.,
GRENLOCH, N.J. U.S.A.

IRON AGE

SEVENTY-NINE
YEARS IN BUSINESS

Two Row Furrower, Fertilizer Distributor and Ridger

Two Galvanized Hoppers

Capacity, 200 lbs. each

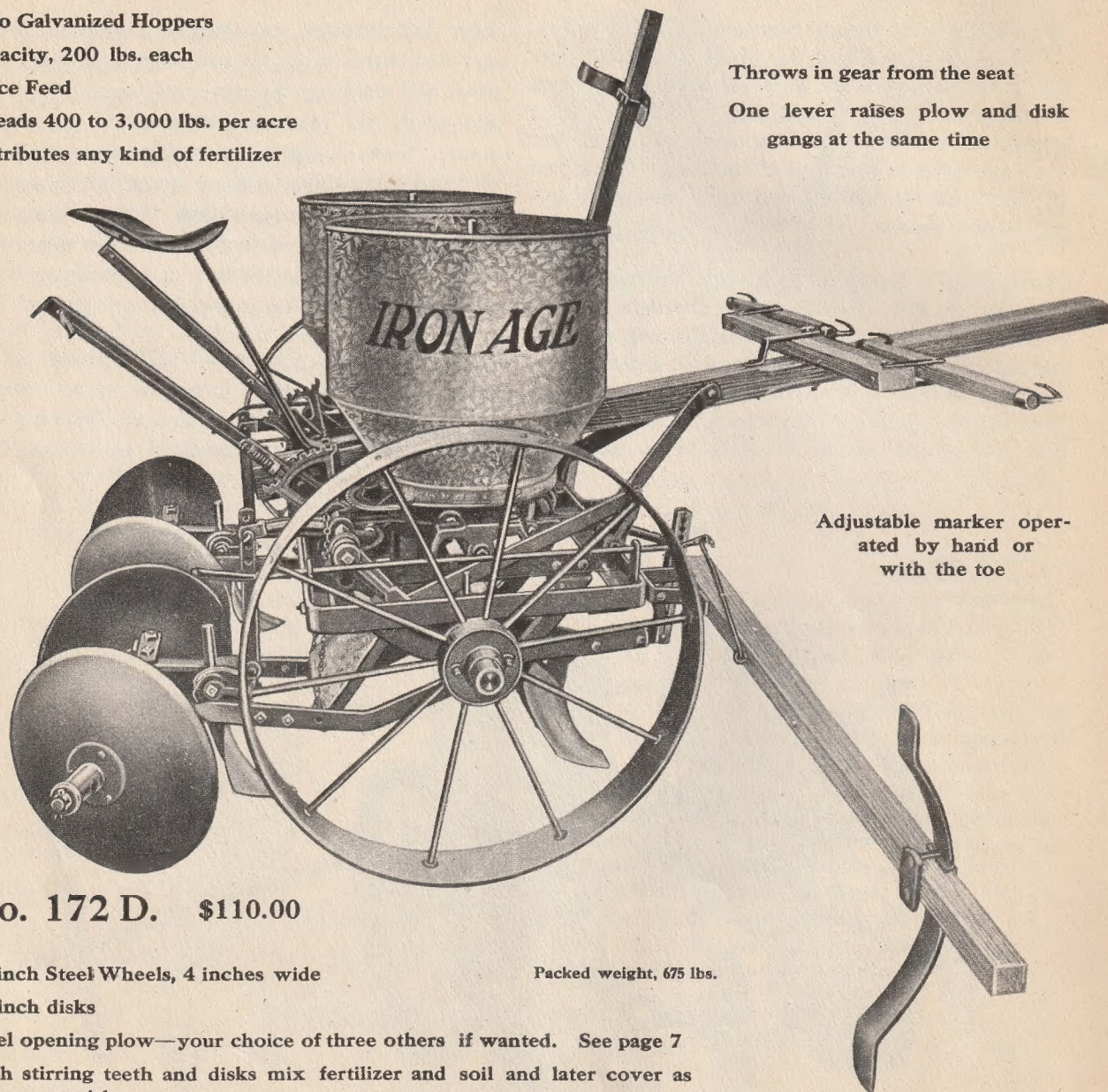
Force Feed

Spreads 400 to 3,000 lbs. per acre

Distributes any kind of fertilizer

Throws in gear from the seat

One lever raises plow and disk
gangs at the same time



Adjustable marker oper-
ated by hand or
with the toe

No. 172 D. \$110.00

30 inch Steel Wheels, 4 inches wide

16 inch disks

Steel opening plow—your choice of three others if wanted. See page 7

Both stirring teeth and disks mix fertilizer and soil and later cover as
you wish

Packed weight, 675 lbs.

If wanted without covering disks, we can furnish as No. 173, with Stirring Teeth shown on page 8

Two Row Combined Furrower, Fertilizer Distributor and Ridger

(Continued)

steel. A winged scraper, placed on top of the fertilizer, drops by its own weight as the material feeds from under it. (Fig. 530). The shaft with its steel cross pins revolves the scraper and keeps an open space in the centre. The fertilizer falls light and loose on a cone at the bottom and is forced to the spreader by a feed wheel. The amount you want to sow is adjusted for each hopper separately, by levers but one lever will shut off the flow entirely for both hoppers. You can start the flow with the kick of the toe. The height of each spreader is adjusted, separately, by chain. They hang close to the ground when in use and are raised with the plows to avoid obstructions.

Plow. Plain opening plows are furnished regular. If wanted with shield opening plow (same as on our regular Potato Planter) add letter "S" to the number. If with single disk plow, add letter "A" to the number. If with double disk plow, add letter "B" to the number, and add \$5.00 to the list price in each special case. Each plow gang is raised separately by lever and each has same adjustments for depth as on the planter.

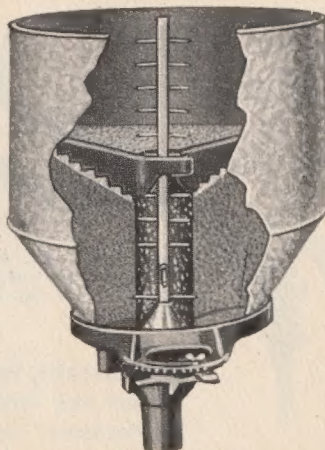
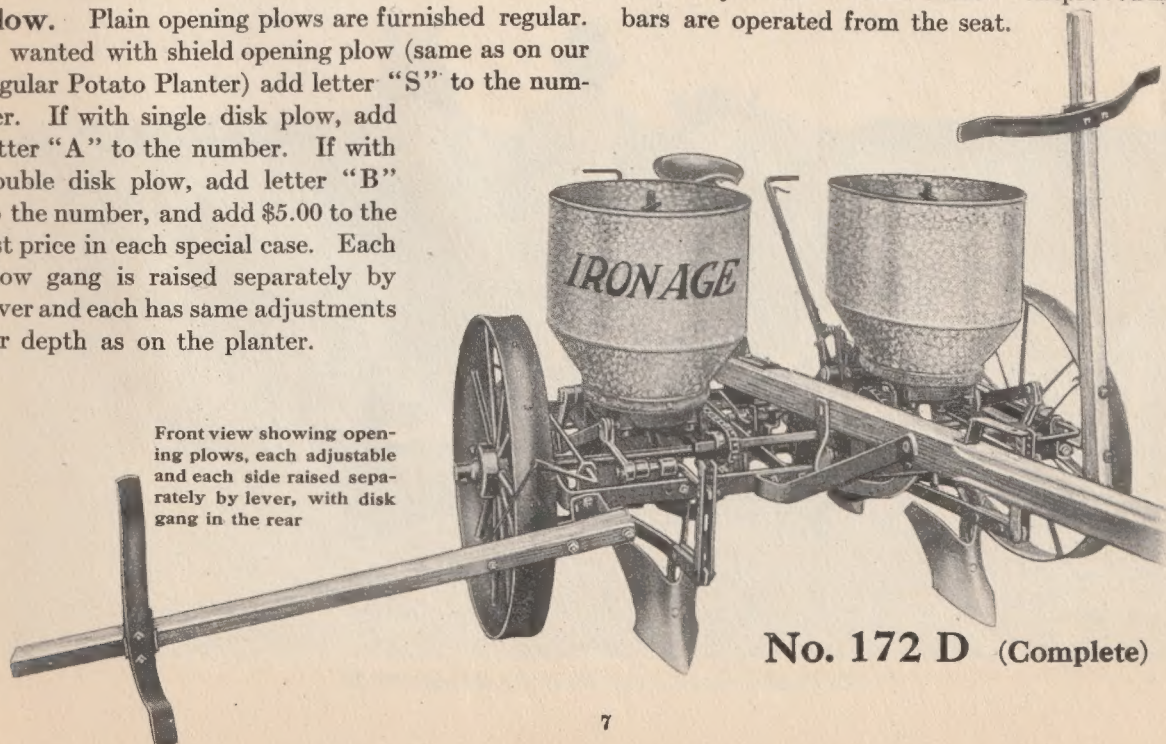


Fig. 530
Sectional view of Fertilizer
Hopper

Covering Disks. Pairs of covering disks are provided for each row. They are same as used on the planter, are adjustable for width, angle and depth and are raised with the plows—one lever raises each side, plow and disk gang complete. The disks cover thoroughly from each side. Can be used to ridge a growing crop in any shape, if you practice ridging.

Frame and Wheels. We have a one-piece angle-steel frame, 30-inch all-steel wheels with 4-inch rims, ratchet hubs and clutches and a solid 1¼-inch axle—same wheels as used on the Potato Planter except smaller in diameter. Strong, dependable construction.

Drives by chain from the center. Improved marker bars are operated from the seat.



No. 172 D (Complete)

Two Row Combined Furrower, Fertilizer Distributor and Ridger (Continued)

Attachments. In place of the disk gangs and single stirring teeth shown on complete machine on page 6, we can furnish *two (2) Fig. 531, Stirring Tooth Attachments.* Adjustable for depth and is fitted with relief spring that saves the teeth when they strike an obstruction. The three teeth mix the fertilizer thoroughly with the soil. *Price, attachment per pair, \$5.00.* When complete machine is wanted this way, order as No. 173, *Price \$98.00.*

Side Dressing Spreader, same as Fig. 265, for applying quick-acting fertilizer each side of growing crops, two rows. *Price, pair, Fig. 265, \$3.00.*

Fig. 531
Stirring Tooth Attachment, \$5.00 per pair



Furnished when ordered, in place of Disk Gangs and Single Teeth shown on pages 5-6

Wide Frame Machine. We also furnish this two row machine with a wide re-inforced frame, which is not only for wide rows, 48, 56, 60 or 66 inches apart, between some of which you may want to provide for later plantings, but also for going astride rows of small growth, preparing for second crops. Take for instance, peas, beans, potatoes, etc. planted in

wide rows, between which, with this special machine, you can fertilize and make-up rows complete, for tomatoes, cantaloupe, etc. In this use of the machine rows can be split so as to make the distance between old and new crops 30 or 33 inches only. When machine is wanted with wide frame and with covering disks same as in No. 172 D, order as No. 172 D. W., *Price, \$116.00.*



Side dressing two rows of potatoes with old style No. 172